

Set	Items	Description
---	-----	-----
? set hi	;set hi	
HIGHLIGHT	set on as	''
HIGHLIGHT	set on as	''
? begin	5,6,55,154,155,156,312,399,	biotech,biosci
>>>	135 is	unauthorized

Set	Items	Description
---	-----	-----
? s (insulator? or insulat? (n) sequence?) and vector? (5n) (adenovir? or AAV\$ or herpes? or retrovir? or lentivir?)		
Processing		
Processed 10 of 35 files ...		
Completed processing all files		
	271346	INSULATOR?
	537867	INSULAT?
	5253736	SEQUENCE?
	210	INSULAT?(N)SEQUENCE?
	1959354	VECTOR?
	232652	ADENOVIR?
	0	AAV\$
	524107	HERPES?
	617257	RETROVIR?
	87482	LENTIVIR?
	123205	VECTOR?(5N) (((ADENOVIR? OR AAV\$) OR HERPES?) OR RETROVIR?) OR LENTIVIR?)
S1	263	(INSULATOR? OR INSULAT? (N) SEQUENCE?) AND VECTOR? (5N) (ADENOVIR? OR AAV\$ OR HERPES? OR RETROVIR? OR LENTIVIR?)
? s s1 and ITR? and (E1a or E1b or E4 or E3)		
>>>"E4" does not exist		
>>>"E3" does not exist		
	263	S1
	50919	ITR?
	32761	E1A
	7652	E1B
	0	E4
	0	E3
S2	1	S1 AND ITR? AND (E1A OR E1B OR E4 OR E3)
? s s1 and ITR? and (E1a or E1b or "E3" or "E4")		
	263	S1
	50919	ITR?
	32761	E1A
	7652	E1B
	37898	E3
	29605	E4
S3	2	S1 AND ITR? AND (E1A OR E1B OR "E3" OR "E4")
? d s3/3/1-2		
Display 3/3/1 (Item 1 from file: 399)		
DIALOG(R)File 399:CA SEARCH(R)		
(c) 2004 American Chemical Society. All rts. reserv.		

134026078 CA: 134(3)26078s PATENT
Adenoviral vectors for cell specific infection and integration of transforming DNA using chimeric fiber proteins to define cell-specificity
INVENTOR(AUTHOR): Lieber, Andre; Shayakhmetov, Dmitry; Farrar, Denise; Papayannopoulou, Thalia
LOCATION: USA
ASSIGNEE: University of Washington
PATENT: PCT International ; WO 200073478 A2 . DATE: 20001207
APPLICATION: WO 2000US15442 (20000601) *US PV137213 (19990601) *US PV161097 (19991022)
PAGES: 156 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-015/861A; C12N-015/864B; C12N-015/10B; A61K-048/00B DESIGNATED COUNTRIES: AE; AL; AM ; AT; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CR; CU; CZ; CZ; DE; DE; DK; DK; DM; EE; EE; ES; FI; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SK; SL; TJ; TM; TR; TT; TZ;

-more-

?

Display 3/3/1 (Item 1 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2004 American Chemical Society. All rts. reserv.
UA; UG; US; UZ; VN; YU; ZA; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM
DESIGNATED REGIONAL: GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZW; AT;
BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ;
CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG

- end of record -

?

Display 3/3/2 (Item 1 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.
(c) 2004 Thomson Derwent & ISI. All rts. reserv.

0302468 DBR Accession No.: 2003-04253 PATENT
New viral vectors with an interfering genetic element, a transcription unit
and an **insulating sequence**, useful for minimizing leaky
gene expression, or for controlled gene expression in the field of gene
therapy or DNA technology - recombinant adeno virus vector-mediated
gene transfer and expression in host cell for use in gene therapy
AUTHOR: GORZIGLIA M; HALLENBECK P L; KALEKO M; CLARKE L; PHIPPS S
PATENT ASSIGNEE: NOVARTIS AG 2002
PATENT NUMBER: WO 200268627 PATENT DATE: 20020906 WPI ACCESSION NO.:
2002-713375 (200277)
PRIORITY APPLIC. NO.: US 270885 APPLIC. DATE: 20010223
NATIONAL APPLIC. NO.: WO 2002US5280 APPLIC. DATE: 20020222
LANGUAGE: English

- end of record -

? s s1 and SV40
263 S1
84885 SV40
S4 4 S1 AND SV40

? d s4/3/1-4

Display 4/3/1 (Item 1 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2004 American Chemical Society. All rts. reserv.

137211937 CA: 137(15)211937w PATENT
Construction of adenoviral vectors containing insulating sequence for
minimization of leaky therapeutic gene expression
INVENTOR(AUTHOR): Gorziglia, Mario; Hallenbeck, Paul L.; Kaleko, Michael;
Clarke, Lori; Phipps, Sandra
LOCATION: Switz.
ASSIGNEE: Novartis A.-G.
PATENT: PCT International ; WO 200268627 A2 DATE: 20020906
APPLICATION: WO 2002US5280 (20020222) *US PV270885 (20010223)
PAGES: 41 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-015/00A
DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MN; MW; MX; MZ; NO; NZ; OM; PH; PL; PT; RO; RU; SD; SE; SG;
SI; SK; SL; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZM; ZW; AM;
AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW; MZ

-more-

?

Display 4/3/1 (Item 1 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2004 American Chemical Society. All rts. reserv.
; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR;
IE; IT; LU; MC; NL; PT; SE; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML;

MR; NE; SN; TD; TG

- end of record -

?

Display 4/3/2 (Item 1 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.
(c) 2004 Thomson Derwent & ISI. All rts. reserv.

0305507 DBR Accession No.: 2003-07292 PATENT
Novel nucleic acid for expressing transgenes, has a transgene flanked
between two nucleic acids and present within a nucleic acid sequence
comprising a second transgene, or has a modified recombinase -
vector-mediated modified enzyme gene transfer and expression in host
cell for gene therapy

AUTHOR: KACZMARCZYK S J; GREEN J E
PATENT ASSIGNEE: US DEPT HEALTH and HUMAN SERVICES 2002
PATENT NUMBER: WO 200281632 PATENT DATE: 20021017 WPI ACCESSION NO.:
2003-058515 (200305)
PRIORITY APPLIC. NO.: US 281560 APPLIC. DATE: 20010404
NATIONAL APPLIC. NO.: WO 2002US10594 APPLIC. DATE: 20020404
LANGUAGE: English

- end of record -

?

Display 4/3/3 (Item 2 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.
(c) 2004 Thomson Derwent & ISI. All rts. reserv.

0302468 DBR Accession No.: 2003-04253 PATENT
New viral vectors with an interfering genetic element, a transcription unit
and an **insulating sequence**, useful for minimizing leaky
gene expression, or for controlled gene expression in the field of gene
therapy or DNA technology - recombinant adeno virus vector-mediated
gene transfer and expression in host cell for use in gene therapy

AUTHOR: GORZIGLIA M; HALLENBECK P L; KALEKO M; CLARKE L; PHIPPS S
PATENT ASSIGNEE: NOVARTIS AG 2002
PATENT NUMBER: WO 200268627 PATENT DATE: 20020906 WPI ACCESSION NO.:
2002-713375 (200277)
PRIORITY APPLIC. NO.: US 270885 APPLIC. DATE: 20010223
NATIONAL APPLIC. NO.: WO 2002US5280 APPLIC. DATE: 20020222
LANGUAGE: English

- end of record -

?

Display 4/3/4 (Item 3 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.
(c) 2004 Thomson Derwent & ISI. All rts. reserv.

0290386 DBR Accession No.: 2002-12233 PATENT
New recombinant, modified **adenovirus vectors** for regulating
transgene expression in tumor cells, useful in gene therapy,
particularly for treating cancers, e.g. cervical, lung, liver or breast
- adeno virus vector-mediated gene transfer and expression in cancer
cell for recombinant protein production and cancer gene therapy

AUTHOR: LIEBER A; STEINWAERDER D S; CARLSON C A; MI J
PATENT ASSIGNEE: UNIV WASHINGTON 2001
PATENT NUMBER: WO 200183796 PATENT DATE: 20011108 WPI ACCESSION NO.:
2002-240307 (200229)
PRIORITY APPLIC. NO.: US 202367 APPLIC. DATE: 20000503
NATIONAL APPLIC. NO.: WO 2001US14428 APPLIC. DATE: 20010503
LANGUAGE: English

- end of record -

?
? s s1 and (tissue (n) specific or PSA or AFP or hKlK2 or E2F)
Processed 20 of 35 files ...
Processing
Completed processing all files
263 S1
5796207 TISSUE
7560144 SPECIFIC
161598 TISSUE(N)SPECIFIC
84903 PSA
34586 AFP
126 HKLK2
22934 E2F
S5 54 S1 AND (TISSUE (N) SPECIFIC OR PSA OR AFP OR HKLK2 OR
E2F)

? rd s5
>>>Duplicate detection is not supported for File 391.
>>>Records from unsupported files will be retained in the RD set.
...examined 50 records (50)
...completed examining records
S6 13 RD S5 (unique items)

? s s6 not py>2001
>>>One or more prefixes are unsupported
>>> or undefined in one or more files.
13 S6
19054447 PY>2001
S7 4 S6 NOT PY>2001

? d s7/3/1-4
Display 7/3/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.

0012461091 BIOSIS NO.: 200000179404
Insulation from viral transcriptional regulatory elements improves
inducible transgene expression from **adenovirus vectors** in
vitro and in vivo
AUTHOR: Steinwaerder D S; Lieber A (Reprint)
AUTHOR ADDRESS: Division of Medical Genetics, University of Washington,
Seattle, WA, 98195, USA**USA
JOURNAL: Gene Therapy 7 (7): p556-567 April, 2000 2000
MEDIUM: print
ISSN: 0969-7128
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

- end of record -

?
Display 7/3/2 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.

0012040582 BIOSIS NO.: 199900300242
Insulation of a conditionally expressed transgene in an **adenoviral
vector**
AUTHOR: Vassaux G (Reprint); Hurst H C; Lemoine N R
AUTHOR ADDRESS: ICRF Molecular Oncology Unit, Imperial College School of
Medicine, Du Cane Road, Hammersmith Campus, London, W12 0NN, UK**UK
JOURNAL: Gene Therapy 6 (6): p1192-1197 June, 1999 1999
MEDIUM: print
ISSN: 0969-7128
DOCUMENT TYPE: Article

RECORD TYPE: Abstract
LANGUAGE: English

- end of record -

?
Display 7/3/3 (Item 1 from file: 98)
DIALOG(R)File 98:General Sci Abs/Full-Text
(c) 2004 The HW Wilson Co. All rts. reserv.

04751946 H.W. WILSON RECORD NUMBER: BGSA02001946 (USE FORMAT 7 FOR
FULLTEXT)
Chromatin **insulators** and boundaries: effects on transcription and
nuclear organization.
Gerasimova, Tatiana I
Corces, Victor G
Annual Review of Genetics v. 35 (2001) p. 193-208
SPECIAL FEATURES: bibl il ISSN: 0066-4197
LANGUAGE: English
COUNTRY OF PUBLICATION: United States
WORD COUNT: 8377

- end of record -

?
Display 7/3/4 (Item 1 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.
(c) 2004 Thomson Derwent & ISI. All rts. reserv.

0320155 DBR Accession No.: 2003-21295
Insulation from viral transcriptional regulatory elements enables
improvement to hepatoma-specific gene expression from **adenovirus**
vectors - recombinant virus **vector** expression in cell
culture for use in disease gene therapy
AUTHOR: YE X; LIANG M; MENG X; REN XW; CHEN HZ; LI ZY; NI SH; LIEBER
A; HU F
CORPORATE AFFILIATE: Shanghai Sunway Biotech Shanghai Med Univ 2 Fudan
Univ Univ Washington
CORPORATE SOURCE: Hu F, Shanghai Sunway Biotech, 1150 GuiQiao Rd, Shanghai
201206, Peoples R China
JOURNAL: BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS) 307, 4,
759-764
ISSN: 0006-291X
LANGUAGE: English

- end of record -

? d s7/9/4
Display 7/9/4 (Item 1 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.
(c) 2004 Thomson Derwent & ISI. All rts. reserv.

0320155 DBR Accession No.: 2003-21295
Insulation from viral transcriptional regulatory elements enables
improvement to hepatoma-specific gene expression from **adenovirus**
vectors - recombinant virus **vector** expression in cell
culture for use in disease gene therapy
AUTHOR: YE X; LIANG M; MENG X; REN XW; CHEN HZ; LI ZY; NI SH; LIEBER
A; HU F
CORPORATE AFFILIATE: Shanghai Sunway Biotech Shanghai Med Univ 2 Fudan
Univ Univ Washington
CORPORATE SOURCE: Hu F, Shanghai Sunway Biotech, 1150 GuiQiao Rd, Shanghai
201206, Peoples R China
JOURNAL: BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS) 307, 4,
759-764
ISSN: 0006-291X

LANGUAGE: English

ABSTRACT: AUTHOR ABSTRACT - We previously reported that the HS-4

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Display 7/9/4 (Item 1 from file: 357)

DIALOG(R)File 357:Derwent Biotech Res.

(c) 2004 Thomson Derwent & ISI. All rts. reserv.

insulator, derived from the chicken beta-globin locus, was able to shield a downstream inducible promoter from viral enhancers or silencers present in the genome of *****adenovirus***** *****vectors*****. In this study, we constructed two recombinant adenoviruses (Ad) that express an alkaline phosphatase (AP) reporter gene driven by an alpha-fetoprotein (**AFP**) enhancer/promoter with and without HS-4 *****insulator***** (Ad.HS4. *****AFP***** -AP and Ad. *****AFP***** -AP).

The insulated vector, Ad.HS4. *****AFP***** -AP, conferred significantly higher AP expression than Ad. *****AFP***** -AP in all *****AFP***** -producing hepatocellular carcinoma cell lines (HepG2, Hep3B, and HuH7) examined. AP expression from Ad.HS4. *****AFP***** -AP was specific to hepatoma cells and barely detectable in **AFP**-negative tumor cell lines and normal human cells, including human hepatocytes. Intravenous infusion of viral vectors into mice with liver metastasis derived from Hep3B hepatoma cells resulted in AP expression exclusively localized to tumor cells. The number of tumor cells with detectable AP expression was significantly higher in mice infused with Ad.HS4. *****AFP***** -AP than in

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Display 7/9/4 (Item 1 from file: 357)

DIALOG(R)File 357:Derwent Biotech Res.

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mice that received the non-insulated vector. This study demonstrates that the HS-4 **insulator** in the context of an Ad vector can increase the activity of the *****AFP***** promoter. while maintaining its tumor-specificity in vitro and in vivo. Considering that the anti-tumor activity of oncolytic vectors often depends on the level of pro-apoptotic or suicide gene expression, **insulators** might be a useful tool to improve the efficacy and specificity of these vectors.

(C) 2003 Elsevier Inc. All rights reserved. (6 pages)

DESCRIPTORS: recombinant adeno virus vector plasmid pHV.SV40pA-mediated gene transfer expression in host cell, virus transcriptional regulatory element, HS-4 **insulator**, alkaline phosphatase, reporter gene, alpha-fetoprotein enhancer, promoter, appl. tumor therapy, gene transfer efficiency, gene therapy enzyme EC-3.1.3.1 (22, 36)

SECTION: THERAPEUTICS-Gene Therapy-GENETIC TECHNIQUES and APPLICATIONS-Gene Expression Techniques and Analysis; DISEASE-Cancer

- end of record -

? d s7/9/1-3

Display 7/9/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0012461091 BIOSIS NO.: 200000179404

Insulation from viral transcriptional regulatory elements improves inducible transgene expression from **adenovirus vectors** in vitro and in vivo

AUTHOR: Steinwaerder D S; Lieber A (Reprint)

AUTHOR ADDRESS: Division of Medical Genetics, University of Washington, Seattle, WA, 98195, USA**USA

JOURNAL: Gene Therapy 7 (7): p556-567 April, 2000 2000

MEDIUM: print

ISSN: 0969-7128
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Recombinant **adenoviruses** (Ad) are attractive **vectors** for gene transfer in vitro and in vivo. However, the widely used

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Display 7/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.

El-deleted vectors as well as newer generation vectors contain viral sequences, including transcriptional elements for viral gene expression. These viral regulatory elements can interfere with heterologous promoters used to drive transgene expression and may impair **tissue-specific** or inducible transgene expression. This study demonstrates that the activity of a metal-inducible promoter is affected by Ad sequences both upstream and downstream of the transgene cassette in both orientations. Interference with expression from the heterologous promoter was particularly strong by viral regulatory elements located within Ad sequences nucleotides 1-341. This region is present in all recombinant Ad vectors, including helper-dependent vectors. An **insulator** element derived from the chicken gamma-globin locus (HS-4) was employed to shield the inducible promoter from viral enhancers as tested after gene transfer with first-generation Ad vectors in vitro and in vivo. Optimal shielding was obtained when the transgene expression cassette was flanked on both sides by HS-4 elements, except for when the HS-4 element was placed in 3'fwdarw5' orientation in front of the promoter. The **insulators**

-more-

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Display 7/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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reduced basal expression to barely detectable levels in the non-induced stage, and allowed for induction factors of approximately 40 and approximately 230 in vitro and in vivo, respectively. Induction ratios from Ad vectors without **insulators** were approximately 40-fold lower in vitro and approximately 15-fold lower in vivo. This study proves the potential of **insulators** to improve inducible or **tissue-specific** gene expression from **adenovirus vectors**, which is important for studying gene functions as well as for gene therapy approaches. Furthermore, our data show that **insulators** exert enhancer-blocking effects in episomal DNA.

DESCRIPTORS:

MAJOR CONCEPTS: Molecular Genetics--Biochemistry and Molecular Biophysics
BIOSYSTEMATIC NAMES: Adenoviridae--dsDNA Viruses, Viruses, Microorganisms
; Hominidae--Primates, Mammalia, Vertebrata, Chordata, Animalia;
Muridae--Rodentia, Mammalia, Vertebrata, Chordata, Animalia
ORGANISMS: adenovirus (Adenoviridae)--gene vector; 293 cell line

-more-

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Display 7/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.
(Hominidae)--human embryonic cell line; 208f cell line (Muridae)--rat fibroblast cell line
COMMON TAXONOMIC TERMS: Double-Stranded DNA Viruses; Microorganisms;
Viruses; Humans; Primates; Animals; Chordates; Mammals; Nonhuman

Vertebrates; Nonhuman Mammals; Rodents; Vertebrates
CHEMICALS & BIOCHEMICALS: E1A enhancer; HS-4 **insulator**; MRE
promoter; viral promoter/ enhancer elements
METHODS & EQUIPMENT: gene therapy--therapeutic method
MISCELLANEOUS TERMS: inducible transgene expression; viral
transcriptional regulatory elements

CONCEPT CODES:

02506 Cytology - Animal
02508 Cytology - Human
03506 Genetics - Animal
03508 Genetics - Human
12512 Pathology - Therapy
31500 Genetics of bacteria and viruses

-more-

?

Display 7/9/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

33506 Virology - Animal host viruses

BIOSYSTEMATIC CODES:

03116 Adenoviridae
86215 Hominidae
86375 Muridae

- end of record -

?

Display 7/9/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0012040582 BIOSIS NO.: 199900300242

Insulation of a conditionally expressed transgene in an **adenoviral
vector**

AUTHOR: Vassaux G (Reprint); Hurst H C; Lemoine N R

AUTHOR ADDRESS: ICRF Molecular Oncology Unit, Imperial College School of
Medicine, Du Cane Road, Hammersmith Campus, London, W12 0NN, UK**UK

JOURNAL: Gene Therapy 6 (6): p1192-1197 June, 1999 1999

MEDIUM: print

ISSN: 0969-7128

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: Replication-defective recombinant adenoviruses provide an
efficient system for in vivo gene transfer and numerous studies have
demonstrated that this vector can accommodate **tissue-specific**

-more-

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Display 7/9/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

promoters to restrict the expression of a transgene to a particular
subset of cells. However, in some cases the selectivity of expression is
lost when the **tissue-specific** promoter is placed in an
adenoviral environment. In an attempt to restore the conditionality of
expression of the transgene driven by the human ERBB2 promoter, we have
flanked the expression cassette in 5' and 3' orientations with a 250 bp
sequence containing the bovine growth hormone transcriptional stop signal
for cloning into a recombinant adenovirus. The data presented here
clearly demonstrate that these '**insulator**' elements are able to
restrict the expression of the transgene (herpes simplex thymidine

kinase) to ERBB2-expressing cells and therefore to restore the selectivity mediated by the ERBB2 promoter. This approach could be generally useful to late expression cassettes in **adenoviral**

vectors

DESCRIPTORS:

MAJOR CONCEPTS: Molecular Genetics--Biochemistry and Molecular Biophysics

-more-

?

Display 7/9/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

BIOSYSTEMATIC NAMES: Adenoviridae--dsDNA Viruses, Viruses, Microorganisms
; Animalia--Animalia; Hominidae--Primates, Mammalia, Vertebrata,
Chordata, Animalia

ORGANISMS: adenovirus (Adenoviridae)--gene vector; T3M4 cell line
(Animalia); HBL 100 cell line (Hominidae); HPAF cell line (Hominidae);
MDA-MB-231 cell line (Hominidae); SK-BR-3 cell line (Hominidae)

COMMON TAXONOMIC TERMS: Double-Stranded DNA Viruses; Microorganisms;
Viruses; Animals; Chordates; Humans; Mammals; Primates; Vertebrates

CHEMICALS & BIOCHEMICALS: expression cassette--insulation; bovine
growth hormone gene--transcriptional stop signal; herpes simplex virus
thymidine kinase gene--expression, transgene; human ERBB2 gene--
promoter

CONCEPT CODES:

03502 Genetics - General

02506 Cytology - Animal

03506 Genetics - Animal

10060 Biochemistry studies - General

-more-

?

Display 7/9/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

32000 Microbiological apparatus, methods and media

33506 Virology - Animal host viruses

31500 Genetics of bacteria and viruses

03508 Genetics - Human

02508 Cytology - Human

BIOSYSTEMATIC CODES:

03116 Adenoviridae

33000 Animalia

86215 Hominidae

- end of record -

?

Display 7/9/3 (Item 1 from file: 98)

DIALOG(R)File 98:General Sci Abs/Full-Text

(c) 2004 The HW Wilson Co. All rts. reserv.

04751946 H.W. WILSON RECORD NUMBER: BGS02001946 (THIS IS THE FULLTEXT)
Chromatin **insulators** and boundaries: effects on transcription and
nuclear organization.

Gerasimova, Tatiana I

Corces, Victor G

Annual Review of Genetics v. 35 (2001) p. 193-208

SPECIAL FEATURES: bibl il ISSN: 0066-4197

LANGUAGE: English

COUNTRY OF PUBLICATION: United States

RECORD TYPE: Abstract; Fulltext RECORD STATUS: Corrected or revised

record

WORD COUNT: 8377

ABSTRACT: Chromatin boundaries and **insulators** are transcriptional regulatory elements that modulate interactions between enhancers and promoters and protect genes from silencing effects by the adjacent

-more-

? e au=clarke, lori

Ref	Items	Index-term
E1	1	AU=CLARKE, LORETTA JEAN
E2	1	AU=CLARKE, LORETTA MARIE
E3	8	*AU=CLARKE, LORI
E4	2	AU=CLARKE, LORI A
E5	46	AU=CLARKE, LORI A.
E6	1	AU=CLARKE, LORI A. (ED.)
E7	1	AU=CLARKE, LORI M.
E8	1	AU=CLARKE, LORNA B.
E9	1	AU=CLARKE, LORNA C.
E10	3	AU=CLARKE, LORNE
E11	11	AU=CLARKE, LORNE A.
E12	1	AU=CLARKE, LORRAINE A.

Enter P or PAGE for more

? e au=clarke l

Ref	Items	Index-term
E1	1	AU=CLARKE KWB
E2	6	AU=CLARKE KYLEA E
E3	1014	*AU=CLARKE L
E4	205	AU=CLARKE L A
E5	8	AU=CLARKE L B
E6	18	AU=CLARKE L C
E7	1	AU=CLARKE L C JR
E8	19	AU=CLARKE L D
E9	64	AU=CLARKE L E
E10	1	AU=CLARKE L E E
E11	6	AU=CLARKE L F
E12	2	AU=CLARKE L G

Enter P or PAGE for more

? e au=gorziglia mario

Ref	Items	Index-term
E1	33	*AU=GORZIGLIA MARIO
E2	10	AU=GORZIGLIA MARIO I
E3	8	AU=GORZIGLIA MI
E4	50	AU=GORZIGLIA, M.
E5	3	AU=GORZIGLIA, M. I.
E6	1	AU=GORZIGLIA, M. M.
E7	81	AU=GORZIGLIA, MARIO
E8	5	AU=GORZIGLIA, MARIO I
E9	7	AU=GORZIGLIA, MARIO I.
E10	1	AU=GORZII, V. I.
E11	1	AU=GORZIJ V I
E12	4	AU=GORZINSKI S

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? e au=hallenbeck paul

Ref	Items	Index-term
E1	38	AU=HALLENBECK PATRICK C
E2	12	*AU=HALLENBECK PAUL

E3	31	AU=HALLENBECK PAUL L
E4	2	AU=HALLENBECK PAULA
E5	51	AU=HALLENBECK PC
E6	24	AU=HALLENBECK PL
E7	1	AU=HALLENBECK R
E8	2	AU=HALLENBECK RM
E9	2	AU=HALLENBECK RN
E10	2	AU=HALLENBECK ROBERT
E11	1	AU=HALLENBECK ROBERT N
E12	4	AU=HALLENBECK S

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Ref	Items	Index-term
E1	84	AU=KALEKO M.
E2	4	AU=KALEKO MACHAEL
E3	135	*AU=KALEKO MICHAEL
E4	4	AU=KALEKO MIKE
E5	36	AU=KALEKO S P
E6	4	AU=KALEKO S.P.
E7	3	AU=KALEKO SP
E8	4	AU=KALEKO V G
E9	1	AU=KALEKO VG
E10	32	AU=KALEKO, D. M.
E11	1	AU=KALEKO, D.M.
E12	16	AU=KALEKO, M.

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